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1 [The UCLA Brain Research Institute data processing laboratory](#)

[T. Estrin](#)

December 1987 Proceedings of ACM conference on History of medical informatics

Publisher: ACM [Request Permissions](#)

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The Brain Research Institute is an interdisciplinary research unit of the UCLA Medical School, supporting basic research in fields which contribute to an understanding of brain mechanisms and behavior. In 1960 the School of Medicine was relatively young, ...

2 [Virtual machine power metering and provisioning](#)

[Aman Kansal](#), [Feng Zhao](#), [Jie Liu](#), [Nupur Kothari](#), [Arka A. Bhattacharya](#)

June 2010 SoCC '10: Proceedings of the 1st ACM symposium on Cloud computing

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Virtualization is often used in cloud computing platforms for its several advantages in efficiently managing resources. However, virtualization raises certain additional challenges, and one of them is lack of power metering for virtual machines (VMs). ...

Keywords: datacenter power management, power capping, virtualization

3 [The microsoft data platform](#)

[David Campbell](#), [Anil Nori](#)

June 2007 SIGMOD '07: Proceedings of the 2007 ACM SIGMOD international conference on Management of data

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Advances in hardware, storage, devices, connectivity, and web technology are changing the way applications are designed, deployed, and managed. Applications are increasingly becoming data-centric and data is everywhere, and in all tiers (from the client ...

Keywords: client, cloud, data platform, device, model-centric data and services, synchronization, tiers

4 [The performance of PC solid-state disks \(SSDs\) as a function of bandwidth, concurrency, device architecture, and system organization](#)



Cagdas Dirik, Bruce Jacob

June 2009 **ISCA '09: Proceedings of the 36th annual international symposium on Computer architecture****Publisher:** ACM [Request Permissions](#)Full text available: [Digital Edition](#) , [Pdf](#) (2.05 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 61, Downloads (12 Months): 709, Downloads (Overall): 906, Citation Count: 3

As their prices decline, their storage capacities increase, and their endurance improves, NAND Flash Solid State Disks (SSD) provide an increasingly attractive alternative to Hard Disk Drives (HDD) for portable computing systems and PCs. This paper presents ...

Keywords: flash memory, performance, solid state disks, storage systems

Also published in:

June 2009 **SIGARCH Computer Architecture News** Volume 37 Issue 3

5 [Communications of the ACM: Volume 52 Issue 10](#)



October 2009

Communications of the ACM

Publisher: ACMFull text available: [Digital Edition](#) , [Pdf](#) (7.38 MB)Additional Information: [full citation](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 380, Downloads (12 Months): 380, Downloads (Overall): 380, Citation Count: 0

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8 [Communications of the ACM: Volume 51 Issue 12](#)



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9 [Communications of the ACM: Volume 51 Issue 7](#)



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January 2008

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Kimberly Gomez, Leilah Lyons, Joshua Radinsky, Susan Goldman, James Pellegrino

June 2010 **ICLS '10: Proceedings of the 9th International Conference of the Learning Sciences on ZZZ - Volume 2****Publisher:** International Society of the Learning SciencesAdditional Information: [full citation](#)**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0**14** [Process migration](#)

Dejan S. Milojkovic, Fred Douglass, Yves Paindaveine, Richard Wheeler, Songnian Zhou

September 2000 **Computing Surveys (CSUR)** , Volume 32 Issue 3**Publisher:** ACM Full text available: [Pdf](#) (1.24 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)**Bibliometrics:** Downloads (6 Weeks): 55, Downloads (12 Months): 543, Downloads (Overall): 6708, Citation Count: 57

Process migration is the act of transferring a process between two machines. It enables dynamic load distribution, fault resilience, eased system administration, and data access locality. Despite these goals and ongoing research efforts, migration has ...

Keywords: distributed operating systems, distributed systems, load distribution, process migration

15 [Scattering](#)

Diego Gutierrez, Henrik Wann Jensen, Wojciech Jarosz, Craig Donner

December 2009 **SIGGRAPH ASIA '09: SIGGRAPH ASIA 2009 Courses****Publisher:** ACMFull text available: [Pdf](#) (62.67 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 32, Downloads (12 Months): 283, Downloads (Overall): 283, Citation Count: 0

Most computer-generated imagery represents scenes with clear atmospheres, neglecting light scattering effects. But scattering is a fundamental aspect of light transport in a wide range of applications, whether one is simulating it or interpreting it, ...

16 [Communications of the ACM: Volume 51 Issue 5](#)

June 2008

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August 2004

SIGGRAPH '04: SIGGRAPH 2004 Course Notes**Publisher:** ACM Full text available: [Pdf](#) (6.53 MB)Additional Information: [full citation](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 41, Downloads (12 Months): 540, Downloads (Overall): 3670, Citation Count: 1

19 [Queue: Volume 6 Issue 4](#)



July 2008

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Publisher: ACM

Full text available: [Digital Edition](#) , [Pdf](#) (6.13 MB)

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Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 20, Downloads (Overall): 497, Citation Count: 0

Flash is growing from mere curiosity to a new tier in the storage hierarchy.

20 [The transport layer: tutorial and survey](#)



[Sami Iren](#), [Paul D. Amer](#), [Phillip T. Conrad](#)

December 1999

Computing Surveys (CSUR) , Volume 31 Issue 4

Publisher: ACM [Request Permissions](#)

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Transport layer protocols provide for end-to-end communication between two or more hosts. This paper presents a tutorial on transport layer concepts and terminology, and a survey of transport layer services and protocols. The transport layer protocol ...

Keywords: TCP/IP networks, congestion control, flow control, transport protocol, transport service

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